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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/230,137	08/10/1999	ROBERT WILLIAM CUNNINGHAM	23861-001	4790

7590

05/07/2002

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EXAMINER

CROSS, LATOYA I

ART UNIT

PAPER NUMBER

1743

15

DATE MAILED: 05/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/230,137

Applicant(s)

CUNNINGHAM

Examiner

LaToya I. Cross

Art Unit

1743

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 April 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 and 27-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 and 27-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Continued Prosecution Application*

1. The request filed on April 5, 2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/230,137 is acceptable and a CPA has been established. An action on the CPA follows. Claims 1-25 and 27-31 are pending.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-25 and 27-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,460,057 to Ostrup in view of US Patent 5,334,502 to Sangha.

Ostrup '057 discloses an apparatus for handling biological samples. The apparatus includes a sample collection unit/card (20) comprising a substrate (22) and several apertures (25) that are evenly spaced apart from one another. Absorbent filter paper (30) is disposed over each aperture. The card is provided with a mark (34) for providing the location of acceptable sample and an optimum point for punching (35). The sample collection card has a handle portion that allows an automatic apparatus to easily access the collected sample. Marks (34, 35) are used by the camera to determine the ideal location for punching out the portion of the filter paper containing the sample. Ostrup '057 also discloses an assembly for the sample collection card, shown by figure 6 and a package shown by figure 8.

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Ostrup '058 does not teach a guide means having a sample deposition portion connected to a channel portion.

Sangha '502 teaches a device for collecting biological samples. The device of Sangha '502 comprises an absorbent layer (30) onto which sample is deposited. As the user deposits sample onto the center portion (32) of the absorbent layer, a one way barrier (38) leads the sample to the indicator (39) where a colored signal will denote the presence of a sufficient amount of sample. The indicator is situated on top of the one-way barrier, which allows the collected sample to move upwardly from the absorbent sheet and contact the indicator. At col. 11, lines 49-62, Sangha '502 disclose that when excess sample is deposited onto the application zone, the sample will contact the indicator and the indicator and excess saliva move outwardly to present a diffusion pattern denoting that sufficient sample has been collected.

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to use such a guide means, as disclosed by Sangha '502, in the sample collection card of Ostrup '057 for the purpose of alerting the user of the presence of a sufficient amount of sample on the card. Such a modification would provide an easy manner for determining the amount of sample that has been collected, without the use of mechanical means such as a camera.

Therefore, for the reasons set forth above, Applicant's claimed invention is deemed to be obvious, within the meaning of 35 USC 103, in view of the teachings of Ostrup '057 and Sangha '502.

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***Response to Arguments***


4. Applicant's arguments filed April 5, 2002 have been fully considered but they are not persuasive. Applicants argue that Sangha fails to teach or suggest that an entire sample application zone is wetted. The examiner disagrees. Applicant points to col. 11, lines 49-54 to support their position. It is position of the Examiner that Sangha teaches applying sample to the application zone. When the application zone can no longer support the amount of sample applied (i.e. the application zone cannot absorb any more sample), then the excess amount of sample, which is slightly more than the predetermined amount, contacts the indicator and provides an indication of such. This disclosure of Sangha also teaches Applicants' limitation added to claim 1, regarding excess sample. The position of the Examiner continues to be that the claims are obvious over Ostrup in view of Sangha.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaToya I. Cross whose telephone number is 703-305-7360. The examiner can normally be reached on Monday-Friday 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on 703-308-4037. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

LIC  
May 5, 2002

  
Jill Warden  
Supervisory Patent Examiner  
Technology Center 1700